Streamlining sharing of data and promoting publication of sequences, including utilising existing infrastructures

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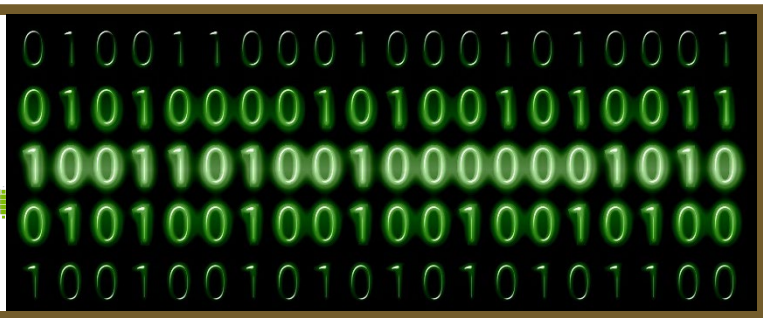

Funding

Non-competitive funding mechanism. Each funder only pays for the participation of their own national researchers. Total funding € 94 000

Research consortium

Fera (GB), NVWA (NL), ANSES (FR), EPPO (Int), JKI (DE)

Contact information

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Goals

Data sharing is essential to support research activities and avoid duplication of research efforts. One area where there is an immediate need for data sharing is in contextualising plant virus discovery to facilitate plant health risk assessment. Every set of samples which are run through High Throughput Sequencing has the potential to reveal previously uncharacterised viral pathogens. For example, in the 10 years since Fera began HTS work, over 200 novel viruses have been identified from Fera sequencing alone, Gaining insight in the (relative) importance of these large amounts of findings is vital in prioritising plant health actions. To gain these insights, sharing complementary observations among laboratories and countries is necessary

Objectives

The project will investigate approaches for data-sharing, and data-sharing protocols may provide different degrees of data openness and degree of access to a range of researchers.

One approach will be trialled for sharing unpublished sequence meta-data between partner and non-partner laboratories. Additionally, the project partners will review Euphresco projects data at different organisations and in various countries and consider if there are data products that should be considered in this data-sharing initiative.

Most of the project activities will involve liaison between partners and categorising the type of datasets which have been previously generated

Key outputs and results

The main project results are:

•A list of Euphresco research projects with potential for data exploitation

•Exchange of knowledge and expertise to improve exploitation of practices in plant virology and other disciplines

•Extended professional networks of researchers working in plant virology, between Euphresco members and beyond